



# ExpressSAS 6Gb SAS/SATA Host Adapters

## Selection Guide

Product Features	ExpressSAS 6Gb SAS/SATA Host Adapters				
	H6F0	H60F	H680	H608	H644
<b>SAS/SATA Ports</b>	16	16	8	8	8
<b>Port Configuration (External / Internal)</b>	16/0	0/16	8/0	0/8	4/4
<b>Maximum Data Rate</b>	6Gb	6Gb	6Gb	6Gb	6Gb
<b>Maximum Transfer Rate (Full Duplex)</b>	19.2 GB/s	19.2 GB/s	9.6 GB/s	9.6 GB/s	9.6 GB/s
<b>Maximum Transfer Rate (Half Duplex)</b>	9.6 GB/s	9.6 GB/s	4.8 GB/s	4.8 GB/s	4.8 GB/s
<b>Bus Type</b>	PCIe 2.0	PCIe 2.0	PCIe 2.0	PCIe 2.0	PCIe 2.0
<b>Bus Characteristics</b>	x8	x8	x8	x8	x8
<b>Auto Negotiation</b>	SAS 2.0, SAS, SATA II, SATA	SAS 2.0, SAS, SATA II, SATA	SAS 2.0, SAS, SATA II, SATA	SAS 2.0, SAS, SATA II, SATA	SAS 2.0, SAS, SATA II, SATA
<b>Connector Type</b>	4 Mini SAS (x4) SFF 8088 External	4 Mini SAS (x4) SFF 8087 Internal	2 Mini SAS (x4) SFF 8088 External	2 Mini SAS (x4) SFF 8087 Internal	1 Mini SAS (x4) SFF 8088 External, 1 Mini SAS (x4) SFF 8087 Internal
<b>Maximum Cable Length (SAS/SATA)</b>	8m/1.5m	8m/1.5m	8m/1.5m	8m/1.5m	8m/1.5m
<b>Low-Profile Form Factor</b>		✓	✓	✓	✓
<b>Advanced Data Streaming (ADS™)</b>	✓	✓	✓	✓	✓
<b>Developer's Kit (Target Mode)</b>	✓	✓	✓	✓	✓
<b>Devices Supported</b>	512	512	256	256	256
<b>Windows®</b>	✓	✓	✓	✓	✓
<b>Linux® (Red Hat, SUSE)</b>	✓	✓	✓	✓	✓
<b>Mac® OS X</b>	✓	✓	✓	✓	✓
<b>VMware® ESX Server</b>	✓	✓	✓	✓	✓
<b>RoHS Compliant</b>	✓	✓	✓	✓	✓